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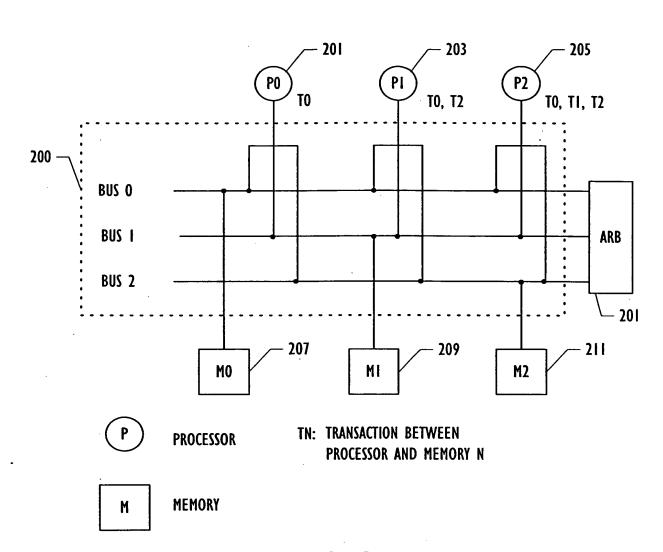


FIG. 2

		RESOURCES		
		0	1	2
REQUESTERS	0	*	0	0
	1	0	1	1
	2	1	1	1
			R	

	J	RES	NRQ
1	0	0	nrq[0] = 1
			nrq[1] = 2
			nrq[2] = 3

ROUND-ROBIN POSITION

GRANTED REQUEST

FIG. 3A

		0	RESOURCES 1	2
	0	<b>X</b>	0	0
REQUESTERS	1	0	1	1
	2	1	<b>X</b>	1
			R	

FIG. 3B

1	J	RES	NRQ
1	0	1	nrq[0] = 0 nrq[1] = 2 nrq[2] = 2

ROUND-ROBIN POSITION

GRANTED REQUEST

		R	ESOURC	ES
		0	1	2
	0	<b>X</b> (	0	0
REQUESTERS	1	0	1	*
	2	. 0	Ж	0
			R	

l	J	RES	NRQ
1	0	2	nrq[0] = 0
			nrq[1] = 1
			nrq[2] = 0

ROUND-ROBIN POSITION

GRANTED REQUEST

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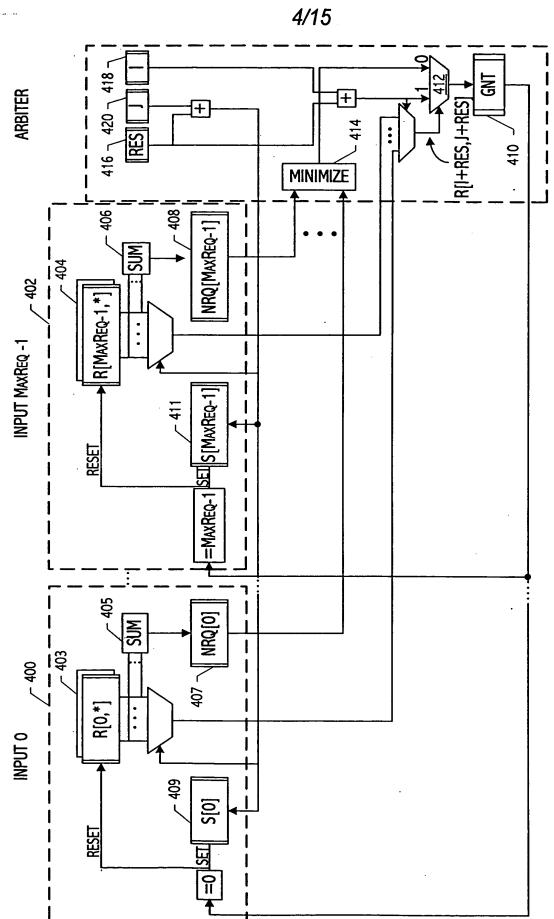


FIG. 4

		RESOURCES		
		0	1	2
	0	1	0	1
REQUESTORS	1	0	*	1)
	2	0	1	1
		<u> </u>	- R	

1	J	REQ	NRQ
1	0	0	nrq[0] = 1 nrq[1] = 2 nrq[2] = 3

ROUND-ROBIN POSITION GRANTED REQUEST

FIG. 5A

	RESOURCES			
	r	0	1	2
	0	1	0	1
REQUESTORS	1	0	X	1
	2	(0	0	<b>x</b> )
FIG 5R			R	

	J	REQ	NRQ
1	0	1	nrq[0] = 1 nrq[1] = 0 nrq[2] = 3

ROUND-ROBIN POSITION **GRANTED REQUEST** 

	RESOURCES			
		0	1	2
	0	Ж	0	0
REQUESTORS	1	0	<b>X</b>	0
	2	0	0	<b>X</b>
FIG. 5C			R	,

	J	REQ	NRQ
1	0	2	nrq[0] = 1
			nrq[1] = 0
			nrq[2] = 0
	1 	I KOUND-ROB	 IN POSITION

**GRANTED REQUEST** 

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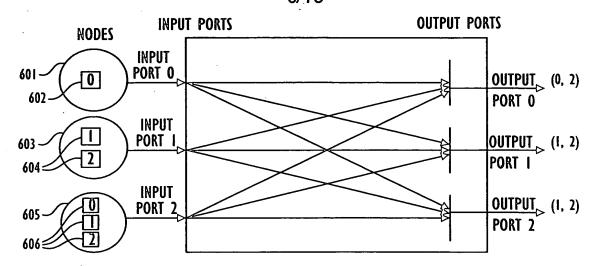
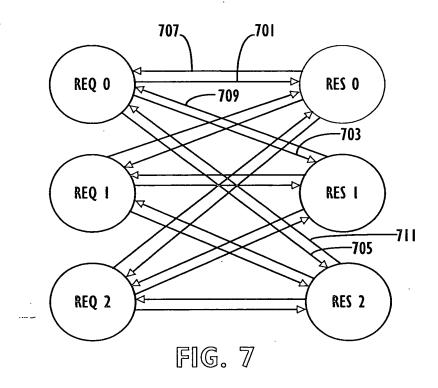


FIG. 6



	Output Port O	Output Port I	Output Port 2
REQUEST VECTOR O	-	0	0
REQUEST VECTOR I	0	1	1
REQUEST VECTOR 2			1
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		R	RESOUR	CES		
R:	R:		1	2	3	
	0	0	1	1	0	
REQUESTERS	1	*	1	1	1	
	2	1	0	1	1.	
	3	0	1	0	0	

RES	NRQ
0	0:2
	1:4
	2:3
	3:1

FIG. 9A

 $\bigcirc$  ROUND-ROBIN POSITION  $\times$  GRANTED REQUEST I = 1, J = 0

<b>RESOU</b>	RCES
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R:		0	1	2	3
	0	0	1 1	1	0
REQUESTERS	1	<b>®</b>	0	0	0
	2	1	0	1	1
	3	0	*	0	0

RES	NRQ
1	0:2
	1:0
	2:2
	3:1

FIG. 9B

 $\bigcirc$  ROUND-ROBIN POSITION  $\times$  GRANTED REQUEST I = 1, J = 0

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		RESOURCES			
R	:	0	1	2	3
	0	0	1	*	0
REQUESTERS	1	<b>®</b>	0	0	0
	2	1	0	1	1
	3	0	×	0	0

RES	NRQ
2	0:1
	1:0
	2:2
	3:0

 $\bigcirc$  ROUND-ROBIN POSITION  $\times$  GRANTED REQUEST I = 1, J = 0

FIG. 9C

		RESOURCES			
R		0	1	2	3
REQUESTERS	0	0	0	<b>X</b>	0
	1	<b>(X</b> )	0	0	0
	2	1	0	1	*
	3	0	<b>X</b>	0	0

RES	NRQ
3	0:0
	1:0
	2:1
	3:0

 $\bigcirc$  ROUND-ROBIN POSITION  $\times$  GRANTED REQUEST I = 1, J = 0

FIG. 9D

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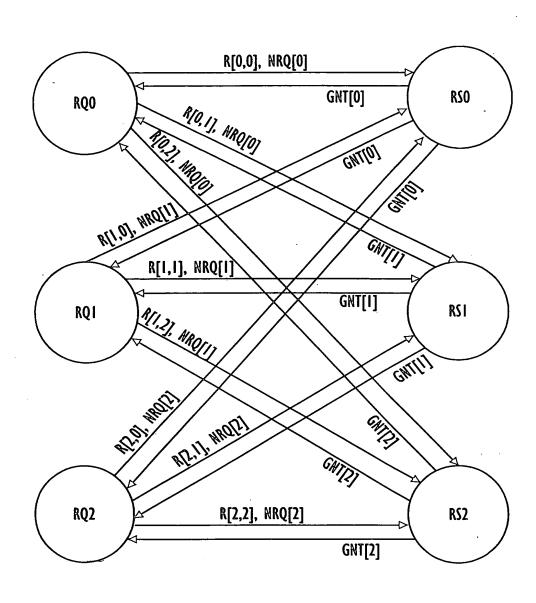


FIG. 10

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1	Ē
ii.	3
	=

•	RESOURCES				
R:		0	1	2	3
<b></b>	0	0	0	*	0
	1	҈*	1	1	1
REQUESTERS	2	1	0	1	1
	3	0	*	0	1

IT	NRQ	GNT	NRS	ACC
0	0:1	0:1	0:2	0:2
	1:4	1:3	1:2	1:0
	2:3	2:0	2:3	2:-1
	3:2	3:3	3:3	3:1

FIG. IIA

$\bigcirc$	ROUND-ROBIN POSITION
×	<b>GRANT ACCEPTED BY REQUESTOR</b>
	GRANT SENT BY RESOURCE
1=	1, J = 0

	RESOURCES				
R:		0	1	2	3
REQUESTERS	0	0	0	<b>*</b>	0
	1	8	0	0	0
	2	1	0	1	*
	3	0	<b>*</b>	0	0

IT	NRQ	GNT	NRS	ACC
1	0:0	0:1	0:1	0:2
	1:0	1:3	1:0	1:0
	2:3	2:0	2:1	2:3
	3:0	3:2	3:1	3:1

FIG. IIB

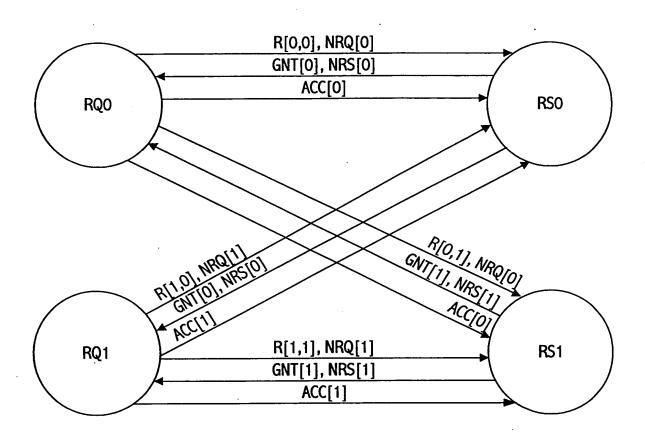
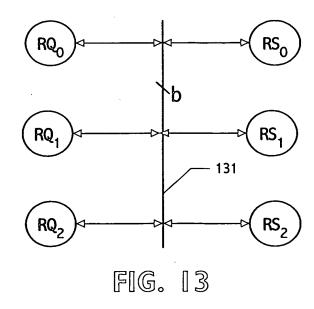
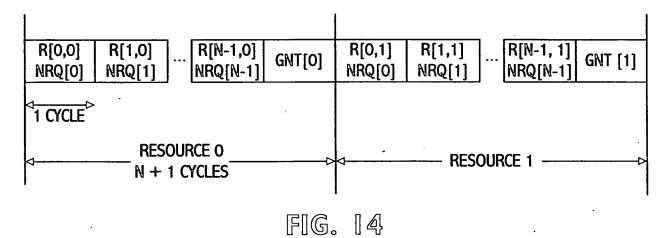


FIG. 12

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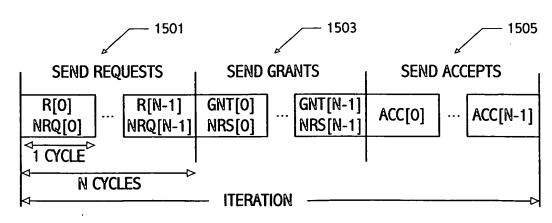
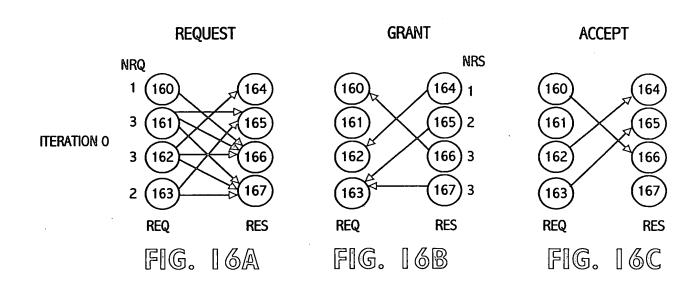
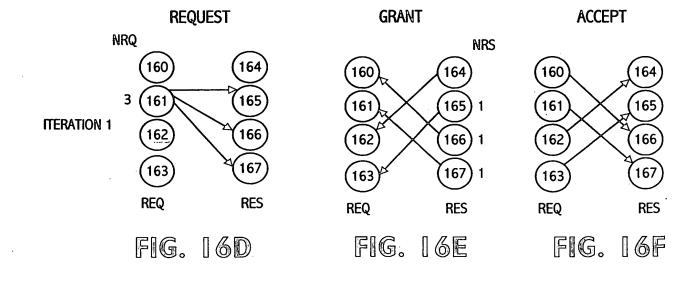


FIG. 15

APPROVED C.G. FIG.
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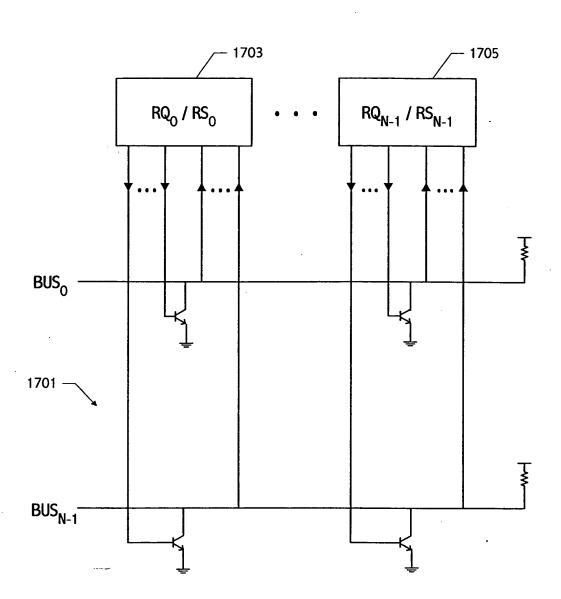
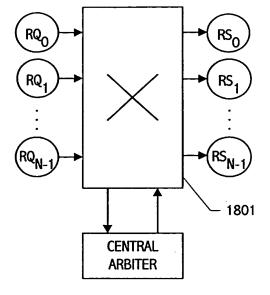


FIG. 17

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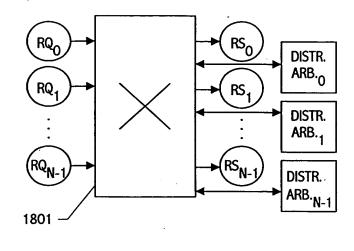


FIG. 18A

FIG. 18B